

Column	Questions- Description	
Job Number	Hanover Job Number	
Job Name	Job Name, Location	
SQ Ft	Total Sq Footage of Job	
1	Polyval binder was used Y/N	
2	Invoice Number -Likely order date and batch/lot number for PolyVal binder used for project or Invoice # for Polyval shipment? Include order date, the amount paid, the type and amount of Binder purchased, the Binder lot number, and the relevant delivery location and date(s))	
3	Type of Binder	
4	Quantity of binder used in gallons	
5	If non-PV binder used, have invoices for orders with competitors (please provide b/c the Court believes they are entitled to know if competitor binder failed as well)?	
6	Have invoices for end customer for initial install?	
7	Date of Installation?	
8	Have emails/photos or other complaints from customers/indication of failure?	
9	Damages for each project (what financial harm did Hanover suffer from the defective binder?) Include the precise nature and cost of any repairs done at the site	
10	Documents showing damages for project?	
11	How and when Hanover first learned about a failure at the installation site	
12	The nature of the alleged failure experienced at the installation site	
13	Have evidence that supports the argument that the alleged failures were caused by Polyval's Binder?	
14	Any other materials used to create the rubber layer of the PIP Surfacing (including manufacturer information)	
15	The ambient temperature at the installation site at the time of the installation	
16	The date Hanover performed any repairs at the installation site	
17	Whether the repairs are complete, and if not, the nature and cost of any remaining repairs;	
18	The name, address, telephone number and email address of each person responsible for the repairs (including, if a Hanover employee, the person's job title and responsibilities at Hanover)	

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H-5227	Bush ES St Paul, TX	2750	Yes	114837	Aromatic	412.50	Polyval was sole supplier for this job	Yes	7/11/2016	None available	\$15,858.99	Yes	Learned through representative phone call; unsure of exact date.	Cracking -Lifting- Seam Splitting - Degranulation- Discoloration	Polyval was sole supplier for this job	EPDM / SPR	75/96	8/2/2017	Yes	Please see doc #s P003281-3283
H-5314	Laurel Hills Raleigh, NC	20338	Yes	114939	Aromatic	3050.70	Polyval was sole supplier for this job	Yes	8/8/2016	Yes; See P001249-1	\$35,000.00	Yes	See P001249-1339	Bubbling, Cracking -Lifting- Seam Splitting -Degranulation- Discoloration	Polyval was sole supplier for this job	EPDM / SPR	59/96	10/12/2016, 12/19/2	Yes	Please see doc #s P003281-3283
H-5445	Kennedy Brothers- 2 El Paso, TX	1500	Yes	116588	Aromatic	225.00	Polyval was sole supplier for this job	Yes	1/26/2017	Yes; see P001395-4	\$8,190.18	Yes	10/26/2018; see P001395- P001436	Cracking -Lifting- Seam Splitting - Degranulation- Discoloration	Polyval was sole supplier for this job	EPDM / SPR	28/62	1/10/2019	Yes	Please see doc #s P003281-3283
H-5450	Northside ES Siloam, AR	3944	Yes	117105	Aromatic	591.60	Polyval was sole supplier for this job	Yes	3/31/2017	Yes; See P001444-1	\$22,748.39	Yes	See P001444-1452	Cracking -Lifting- Seam Splitting - Degranulation- Discoloration	Polyval was sole supplier for this job	EPDM / SPR	36/79	3/1/2018	Yes	Please see doc #s P003281-3283
H-5454	Downtown Park Southern Pines, NC	3155	Yes	117595	Aromatic	473.25	Polyval was sole supplier for this job	Yes	4/3/2017	None available	\$21,949.35	Yes	Learned through representative phone call; unsure of exact date.	Cracking -Lifting- Seam Splitting - Degranulation- Discoloration	Polyval was sole supplier for this job	EPDM / SPR	50/84	10/19/2018	Yes	Please see doc #s P003281-3283
H- 5494	Valley Stream UFSD 24, Valley Stream, NY	9980	Yes	117597	Aromatic	1497.00	Polyval was sole supplier for this job	Yes	4/14/2017	Yes; See P001600	\$64,794.60	Yes	See P001600	Cracking -Lifting- Seam Splitting - Degranulation- Discoloration	Polyval was sole supplier for this job	EPDM / SPR	28/52	4/10/2017	Yes	Please see doc #s P003281-3283
H-5308	NE Community Frisco, TX	4230	Yes	117597	Aromatic	634.50	Polyval was sole supplier for this job	Yes	4/21/2017	None available	\$26,421.39	Yes	Learned through representative phone call; unsure of exact date.	Cracking -Lifting- Seam Splitting - Degranulation- Discoloration	Polyval was sole supplier for this job	EPDM / SPR	50/84	4/17/2018	Yes	Please see doc #s P003281-3283
H- 5464	Little River Park, Moore , OK	9528	Yes	118131	Aromatic	1429.20	Polyval was sole supplier for this job	Yes	5/12/2017	Yes	\$75,685.83	Yes	11/16/2017	Cracking -Lifting- Seam Splitting - Degranulation- Discoloration	Polyval was sole supplier for this job	EPDM / SPR	48/94	7/13/2017	Yes	Please see doc #s P003281-3283
H- 5502	Rockville Centre Rec Center, Rockville Center, NY	7458	Yes	117593	Aromatic	1118.70	Polyval was sole supplier for this job	Yes	5/12/2017	Yes	\$2,800	Yes	6/1/2017	Cracking -Lifting- Seam Splitting - Degranulation- Discoloration	Polyval was sole supplier for this job	EPDM / SPR	47/77	June 2017 and 3/1	Yes	Please see doc #s P003281-3283
H-5510	Dutton Park Holland, MI	3000	Yes	117845	Aromatic	450.00	Polyval was sole supplier for this job	Yes	5/24/2017	None available	\$22,195.79	Yes	Learned through representative phone call; unsure of exact date.	Cracking -Lifting- Seam Splitting - Degranulation- Discoloration	Polyval was sole supplier for this job	EPDM / SPR	48/71	7/23/2018	Yes	Please see doc #s P003281-3283
H-5521	Roswell Schools - Roswell, NM	2704	Yes	118237	Aromatic	405.60	Polyval was sole supplier for this job	Yes	7/7/2017	Yes	\$14,355.61	Yes	Learned through representative phone call; unsure of exact date. see P001740-1748 for related communication	Cracking -Lifting- Seam Splitting - Degranulation- Discoloration	Polyval was sole supplier for this job	EPDM / SPR	67/99	Unsure at this stage	Yes	Please see doc #s P003281-3283
H-5451	Chandler Park Mansfield, TX	6540	Yes	118514	Aromatic	981.00	Polyval was sole supplier for this job	Yes	7/20/2017	Yes	\$39,543.30	Yes	2/15/2018; See P001503-1513	Cracking -Lifting- Seam Splitting - Degranulation- Discoloration	Polyval was sole supplier for this job	EPDM / SPR	73/101	3/18/2018	Yes	Please see doc #s P003281-3283
H-5569	Charlotte Anderson ES Arlington, TX	7431	Yes	118381	Aromatic	1114.65	Polyval was sole supplier for this job	Yes	7/31/2017	Yes	\$43,558.30	Yes	May 2018; See P001717-1722	Cracking -Lifting- Seam Splitting - Degranulation- Discoloration	Polyval was sole supplier for this job	EPDM / SPR	75/99	8/13/2017	Yes	Please see doc #s P003281-3283
H- 5623A	Veterans Memorial Park Wading River, NY	1200	Yes	118824	Aromatic	180.00	Polyval was sole supplier for this job	Yes	8/18/2017	None available	\$7,376.38	Yes	Learned through representative phone call; unsure of exact date.	Cracking -Lifting- Seam Splitting - Degranulation- Discoloration	Polyval was sole supplier for this job	EPDM / SPR	74/81	8/20/2017		Please see doc #s P003281-3283
H-5568	106 2nd Ave SE Roseau, MN	1111	Yes	121675	Aromatic	166.65	Polyval was sole supplier for this job	Yes	8/26/2017	None available	\$8,391.63	Yes	Learned through representative phone call; unsure of exact date.	Cracking -Lifting- Seam Splitting - Degranulation- Discoloration	Polyval was sole supplier for this job	EPDM / SPR	55/72	6/5/2018	Yes	Please see doc #s P003281-3283
H-5608	Theodore Roosevelt School Oyster Bay, NY	3600	Yes	118824	Aromatic	540.00	Polyval was sole supplier for this job	Yes	9/2/2017	None available	\$27,066.09	Yes	Learned through representative phone call; unsure of exact date.	Cracking -Lifting- Seam Splitting - Degranulation- Discoloration	Polyval was sole supplier for this job	EPDM / SPR	50/79	Unsure at this stage	Yes	Please see doc #s P003281-3283
H-5583	Freindship Park Carlsbad, NM	9555	Yes	119260	Aromatic	1433.25	Polyval was sole supplier for this job	Yes	10/15/2017	Yes	\$72,126.80	Yes	11/8/2017, 6/8/2018; see P001740-1829	Cracking -Lifting- Seam Splitting - Degranulation- Discoloration	Polyval was sole supplier for this job	EPDM / SPR	41/92	10/11/2018	Yes	Please see doc #s P003281-3283
H-5637	Multhoma Fairview, OR	4206	Yes	119690	Aromatic	630.90	Polyval was sole supplier for this job	Yes	10/23/2017	None available	\$31,403.34	Yes	Learned through representative phone call; unsure of exact date.	Cracking -Lifting- Seam Splitting - Degranulation- Discoloration	Polyval was sole supplier for this job	EPDM / SPR	44/71	9/12/2018	Yes	Please see doc #s P003281-3283
H-5649	Centenial Park Blanding, UT	4500	Yes	119911	Aromatic	675.00	Polyval was sole supplier for this job	Yes	11/13/2017	Yes	\$40,328.27	Yes	June 2018; See P002337	Cracking -Lifting- Seam Splitting - Degranulation- Discoloration	Polyval was sole supplier for this job	EPDM / SPR	29/68	10/28/2018	Yes	Please see doc #s P003281-3283

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H-5634	Callaway Gardens Center Pine Mountain, GA	6130	Yes	119961	Aromatic	919.50	Polyval was sole supplier for this job	Yes	11/27/2017	Yes	\$42,197.27	Yes	4/25/2018; see P002046	Cracking -Lifting- Seam Splitting - Degranulation- Discoloration	Polyval was sole supplier for this job	EPDM / SPR	36/74	6/8/2018	Yes	Please see doc #s P003281-3283
H-5616	Gardner School Lincolnshire, IL	9025	Yes	120093	Aromatic	1353.75	Polyval was sole supplier for this job	Yes	12/6/2017	None available	No current damage	No current damages	No current damages	Cracking -Lifting- Seam Splitting - Degranulation- Discoloration	Polyval was sole supplier for this job	EPDM / SPR		4/25/2021	Yes	Please see doc #s P003281-3283
H-5647	Collegiate School, New York, NY	10067	Yes	120093	Aromatic	1510.05	Polyval was sole supplier for this job	Yes	12/8/2017	None available	\$73,194.27	Yes	Learned through representative phone call; unsure of exact date.	Cracking -Lifting- Seam Splitting - Degranulation- Discoloration	Polyval was sole supplier for this job	EPDM / SPR	22/58	8/3/2018	Yes	Please see doc #s P003281-3283
H-5695	Crooked Creek Park Indian Trail, NC	6270	Yes	120421	Aromatic	940.50	Polyval was sole supplier for this job	Yes	1/27/2018	None available	\$87,034.78	Yes	Learned through representative phone call; unsure of exact date.	Cracking -Lifting- Seam Splitting - Degranulation- Discoloration	Polyval was sole supplier for this job	EPDM / SPR	34/78	2/7/2019	Yes	Please see doc #s P003281-3283
H-5630	Oak Park Flower Mound, TX	4000	Yes	120241	Aromatic	600.00	Polyval was sole supplier for this job	Yes	1/28/2018	None available	\$19,656.07	Yes	Learned through representative phone call; unsure of exact date.	Cracking -Lifting- Seam Splitting - Degranulation- Discoloration	Polyval was sole supplier for this job	EPDM / SPR	35/76	2/6/2018	Yes	Please see doc #s P003281-3283
H -5825	Nob Hill-Ruidoso,NM	X	Yes	120844	Aromatic	0.00	Polyval was sole supplier for this job	Yes	3/27/2018	Yes	\$83,689.70	Yes	9/27/2019	Cracking -Lifting- Seam Splitting - Degranulation- Discoloration	Polyval was sole supplier for this job	EPDM / SPR	61/100	10/2/2018	Yes	Please see doc #s P003281-3283
H -5825	Sierra Vista Primary Ruidoso, NM	X	Yes	120844	Aromatic	0.00	Polyval was sole supplier for this job	Yes	3/27/2018	Yes	No current damage	No current damages	No current damages	Cracking -Lifting- Seam Splitting - Degranulation- Discoloration	Polyval was sole supplier for this job	EPDM / SPR	61/100	Repairs incomplete;	Repairs incomplete;	Please see doc #s P003281-3283
H-5777	San Gabriel Park, Georgetown, TX	5153	Yes	121094	Aromatic	772.95	Polyval was sole supplier for this job	Yes	4/6/2018	Yes	\$37,563.00	Yes	June 2018; See P002490	Cracking -Lifting- Seam Splitting - Degranulation- Discoloration	Polyval was sole supplier for this job	EPDM / SPR	41/85	8/23/2018	Yes	Please see doc #s P003281-3283
H-5661	Sacramore Park Everett, MA	7365	Yes	117597	Aromatic	1104.75	Polyval was sole supplier for this job	Yes	9/28/2017	None available	\$59,522.58	Yes	Learned through representative phone call; unsure of exact date.	Cracking -Lifting- Seam Splitting - Degranulation- Discoloration	Polyval was sole supplier for this job	EPDM / SPR	30/52	4/10/2018	Yes	Please see doc #s P003281-3283
H-5650	Gardner School Schaumburg, IL	6370	Yes	121094	Aromatic	955.50	Polyval was sole supplier for this job	Yes	4/23/2018	Yes	No current damage	No current damages	No current damages	Cracking -Lifting- Seam Splitting - Degranulation- Discoloration	Polyval was sole supplier for this job	EPDM / SPR		Repairs incomplete;	Repairs incomplete;	Please see doc #s P003281-3283
H-5784	Rotary Park, Calsbad ,NM	3200	Yes	121094	Aromatic	480.00	Polyval was sole supplier for this job	Yes	4/30/2018	Yes	\$36,005.00	Yes	June 2018; see P001739	Cracking -Lifting- Seam Splitting - Degranulation- Discoloration	Polyval was sole supplier for this job	EPDM / SPR	41/92	11/12/2018	Yes	Please see doc #s P003281-3283
H-5760	Holiday Park, Cheyenne, WY	5400	Yes	121852	Aromatic	810.00	Polyval was sole supplier for this job	Yes	6/8/2018	None available	\$56,700.00	Yes	Learned through representative phone call; unsure of exact date.	Cracking -Lifting- Seam Splitting - Degranulation- Discoloration	Polyval was sole supplier for this job	EPDM / SPR		8/10/2022	Yes	Please see doc #s P003281-3283
H- 5744	Texoma Health Foundation, Denison, TX	4231	Yes	121852	Aromatic	634.65	Polyval was sole supplier for this job	Yes	6/22/2018	None available	\$21,419.00	Yes	Learned through representative phone call; unsure of exact date.	Cracking -Lifting- Seam Splitting - Degranulation- Discoloration	Polyval was sole supplier for this job	EPDM / SPR	76/101	8/11/2018	Yes	Please see doc #s P003281-3283
H-5769	City of Camden, Camden, TN	1320	Yes	122296	Aromatic	198.00	Polyval was sole supplier for this job	Yes	7/9/2018	None available	\$16,734.00	Yes	Learned through representative phone call; unsure of exact date.	Cracking -Lifting- Seam Splitting - Degranulation- Discoloration	Polyval was sole supplier for this job	EPDM / SPR	42/66	6/30/2018	Yes	Please see doc #s P003281-3283
H-5837	Jal Public School, Jal, NM	3538	Yes	122296	Aromatic	530.70	Polyval was sole supplier for this job	Yes	8/8/2017	None available	\$30,851.69	Yes	Learned through representative phone call; unsure of exact date.	Cracking -Lifting- Seam Splitting - Degranulation- Discoloration	Polyval was sole supplier for this job	EPDM / SPR		8/7/2018	Yes	Please see doc #s P003281-3283
H-5859	Gateway Park Playground, Debarry FL	4220	Yes	122764	Aromatic	633.00	Polyval was sole supplier for this job	Yes	8/16/2018	Yes; see P002623	\$25,855.00	Yes	Feb 2018; see P002623	Cracking -Lifting- Seam Splitting - Degranulation- Discoloration	Polyval was sole supplier for this job	EPDM / SPR	72/94	7/18/2019	Yes	Please see doc #s P003281-3283
H-5890	Gaston Day School, Gastonia, NC	2880	Yes	122764	Aromatic	432.00	Polyval was sole supplier for this job	Yes	8/28/2018	Yes; see P002699-7	\$20,662.00	Yes	October 2018; see P002699-700	Cracking -Lifting- Seam Splitting - Degranulation- Discoloration	Polyval was sole supplier for this job	EPDM / SPR	57/93	12/3/2018	Yes	Please see doc #s P003281-3283
H-5955	O'Toole ES, Chicago, IL		Yes	122765	Aromatic	0.00	Polyval was sole supplier for this job	Yes	9/7/2018	Yes; see P002807	\$29,490.00	Yes	January 2019; see P002807	Cracking -Lifting- Seam Splitting - Degranulation- Discoloration	Polyval was sole supplier for this job	EPDM / SPR	58/95	4/19/2019	Yes	Please see doc #s P003281-3283
H-5945D	Deluca ES, North Babylon, NY	7400	Yes	122764	Aromatic	1110.00	Polyval was sole supplier for this job	Yes	9/7/2018	None available	\$45,135.00	Yes	Learned through representative phone call; unsure of exact date.	Cracking -Lifting- Seam Splitting - Degranulation- Discoloration	Polyval was sole supplier for this job	EPDM / SPR	63/92	Unsure at this stage	Yes	Please see doc #s P003281-3283
H-5863	Escambia Westgate, Pensacola, FL	5230	Yes	122764	Aromatic	784.50	Polyval was sole supplier for this job	Yes	9/14/2018	Yes	\$11,867.00	Yes	November 2018; see P002674-5	Cracking -Lifting- Seam Splitting - Degranulation- Discoloration	Polyval was sole supplier for this job	EPDM / SPR	76/76	12/14/2018	Yes	Please see doc #s P003281-3283
H-5945E	Marion G Vedder, North Babylon, NY	7400	Yes	122765	Aromatic	1110.00	Polyval was sole supplier for this job	Yes	9/14/2018	None available	\$32,039.00	Yes	Learned through representative phone call; unsure of exact date.	Cracking -Lifting- Seam Splitting - Degranulation- Discoloration	Polyval was sole supplier for this job	EPDM / SPR	62/82	Unsure at this stage	Yes	Please see doc #s P003281-3283

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H-5836	Lake Maude Rec Park, Winter Haven, FL	5215	Yes	123240	Aromatic	782.25	Polyval was sole supplier for this job	Yes	10/12/2018	Yes; see P002632	\$27,628.00	Yes	P002632	Cracking -Lifting- Seam Splitting - Degranulation- Discoloration	Polyval was sole supplier for this job	EPDM / SPR	74/89	10/10/2018	Yes	Please see doc #s P003281-3283
H-5934	City of Savannah, Savannah, GA	4455	Yes	123068	Aromatic	668.25	Polyval was sole supplier for this job	Yes	10/30/2018	None available	\$44,108.00	Yes	Learned through representative phone call; unsure of exact date.	Cracking -Lifting- Seam Splitting - Degranulation- Discoloration	Polyval was sole supplier for this job	EPDM / SPR	0/72	Unsure at this stage	Yes	Please see doc #s P003281-3283
H-5071	Wallace Primary School	Not requ	Yes	Not requesting	Aromatic	Not requesting	Polyval was sole supplier for this job	Yes	Not requestin	Yes; see P00264	No current damage	No current damages	No current damages	Cracking -Lifting- Seam Splitting - Degranulation- Discoloration	Polyval was sole supplier for this job	EPDM / SPR	Not requ	3/18/2018	Repairs incomplete;	Please see doc #s P003281-3283
H-5663	Canyon View Park	Not requ	Yes	Not requesting	Aromatic	Not requesting	Polyval was sole supplier for this job	Yes	1/15/2018	None available	No current damage	No current damages	No current damages	Cracking -Lifting- Seam Splitting - Degranulation- Discoloration	Polyval was sole supplier for this job	EPDM / SPR	Not requ	Repairs incomplete;	Repairs incomplete;	Please see doc #s P003281-3283
H-5899	Layfayette Meadows	Not requ	Yes	Not requesting	Aromatic	Not requesting	Polyval was sole supplier for this job	Yes	9/14/2018	Yes	\$15,250	Yes	January 2020; see P002980	Cracking -Lifting- Seam Splitting - Degranulation- Discoloration	Polyval was sole supplier for this job	EPDM / SPR	83/61	Spring 2020	Yes	Please see doc #s P003281-3283
H-6286	Garden Park	1100	Yes	Unsure at this	Aromatic	165.00	Polyval was sole supplier for this job	Unsu	Unsure at this	None available	\$16,000	Yes	Learned through representative phone call; unsure of exact date.	Cracking -Lifting- Seam Splitting - Degranulation- Discoloration	Polyval was sole supplier for this job	EPDM / SPR	Unsure a	11/7/2022	Yes	Please see doc #s P003281-3283